MAR 03 2006
PATENT & TRADEMARK

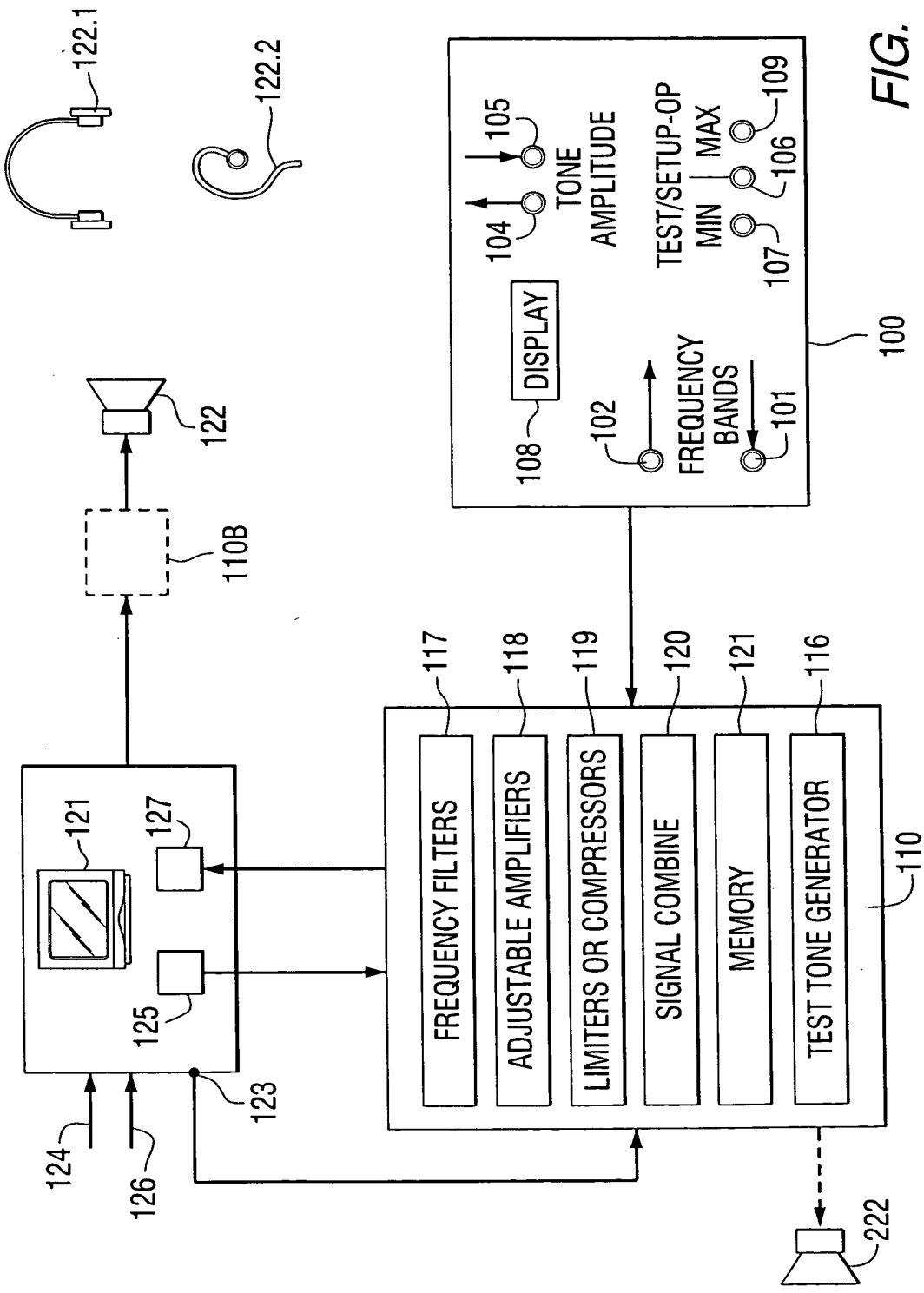

FIG. 1

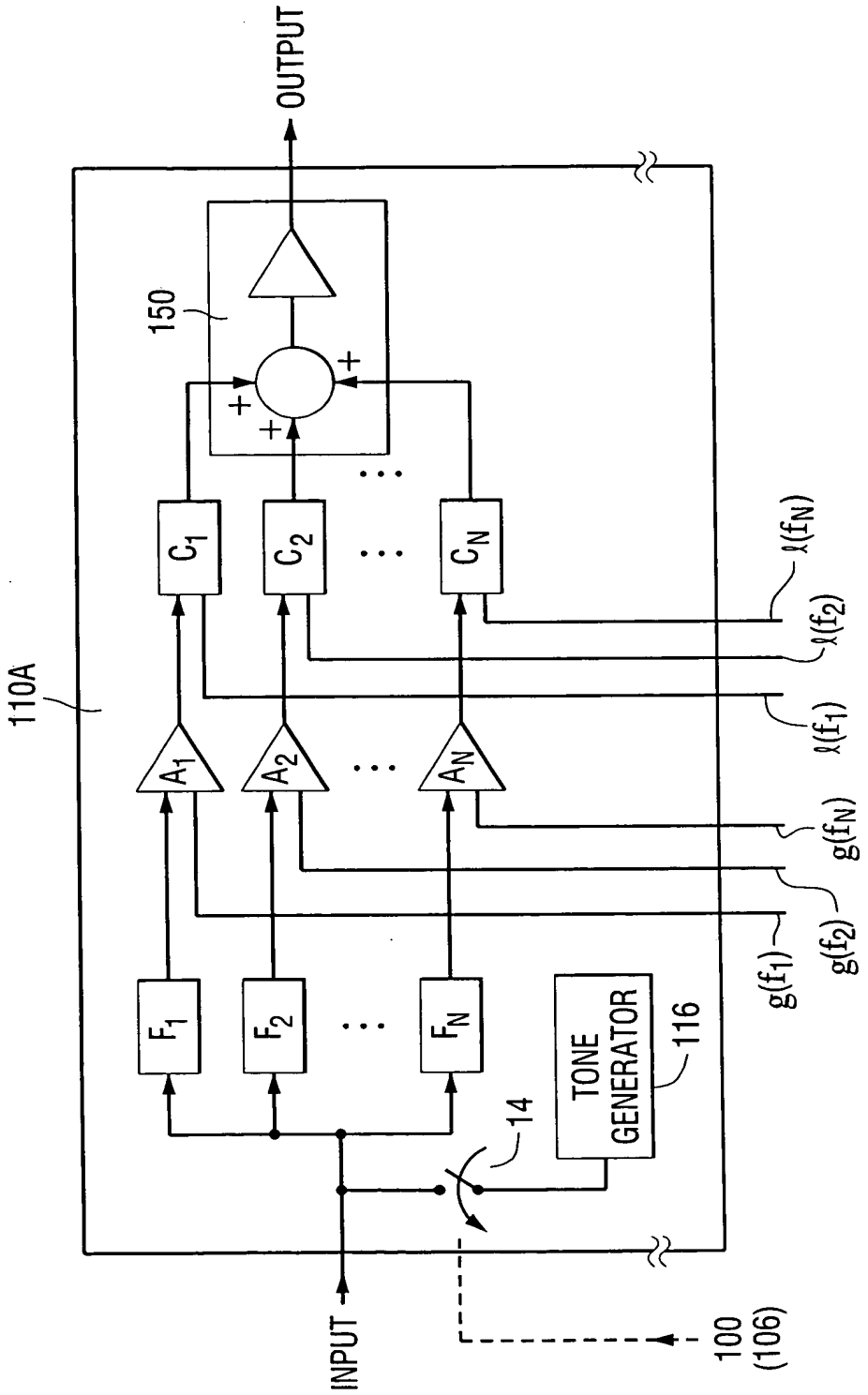
OUTPUT
150
110A
C_1
C_2
C_N
A_1
A_2
A_N
F_1
F_2
F_N
TONE GENERATOR
116
14
INPUT
100
(106)
$\ell(f_N)$
$\ell(f_2)$
$\ell(f_1)$
$g(f_N)$
$g(f_2)$
$g(f_1)$

FIG. 2

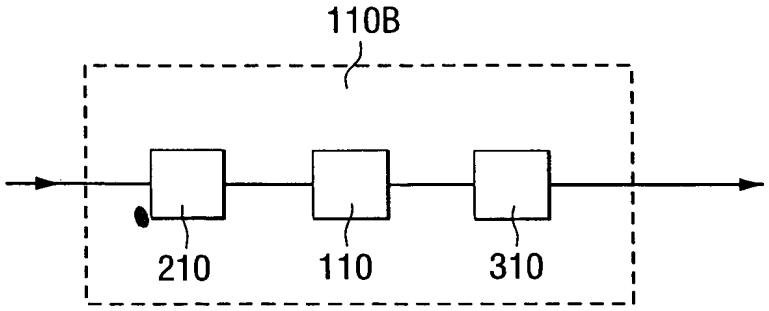
110B
210
110
310

FIG. 3

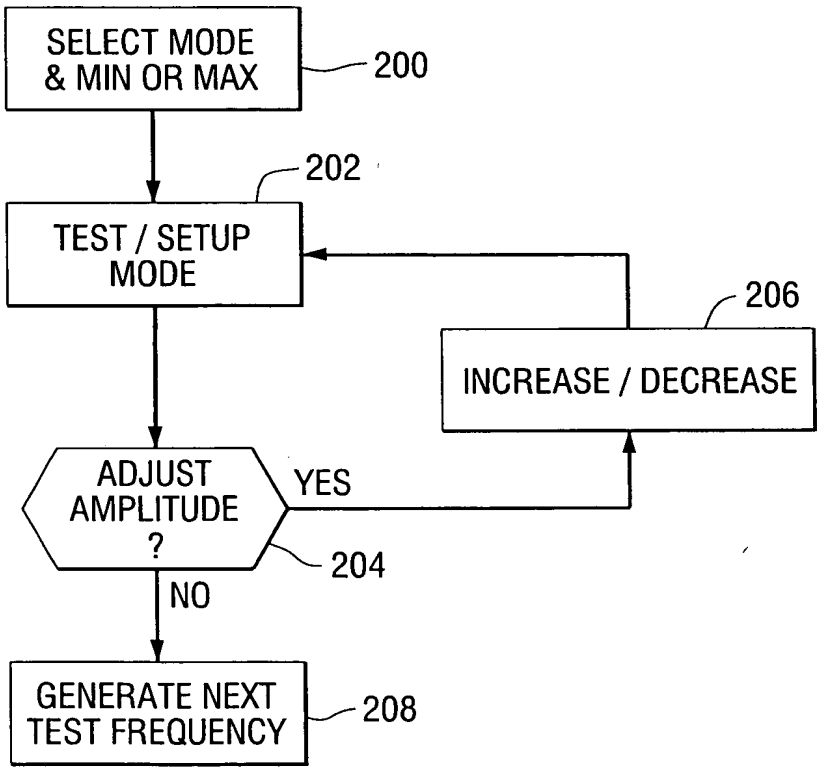
SELECT MODE & MIN OR MAX
200
202
TEST / SETUP MODE
206
INCREASE / DECREASE
ADJUST AMPLITUDE ?
YES
204
NO
GENERATE NEXT TEST FREQUENCY
208

FIG. 4

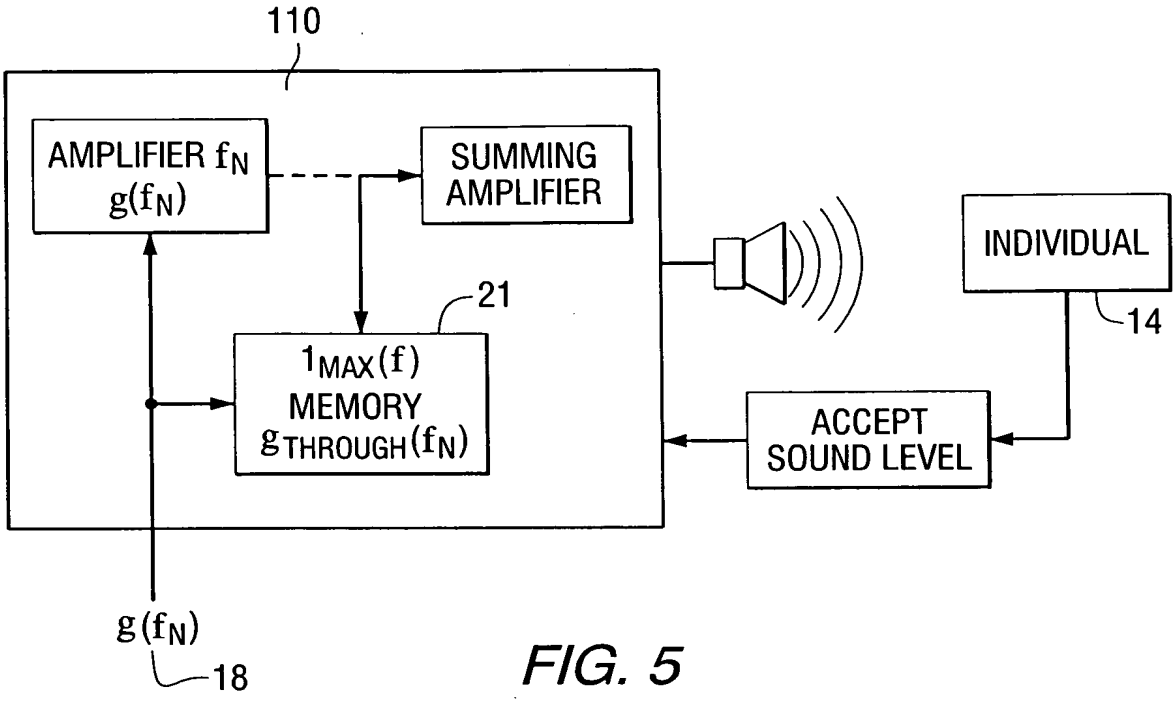
110
AMPLIFIER f_N
$g(f_N)$
SUMMING AMPLIFIER
21
$1_{MAX}(f)$
MEMORY
$g_{THROUGH}(f_N)$
INDIVIDUAL
14
ACCEPT SOUND LEVEL
$g(f_N)$
18

FIG. 5

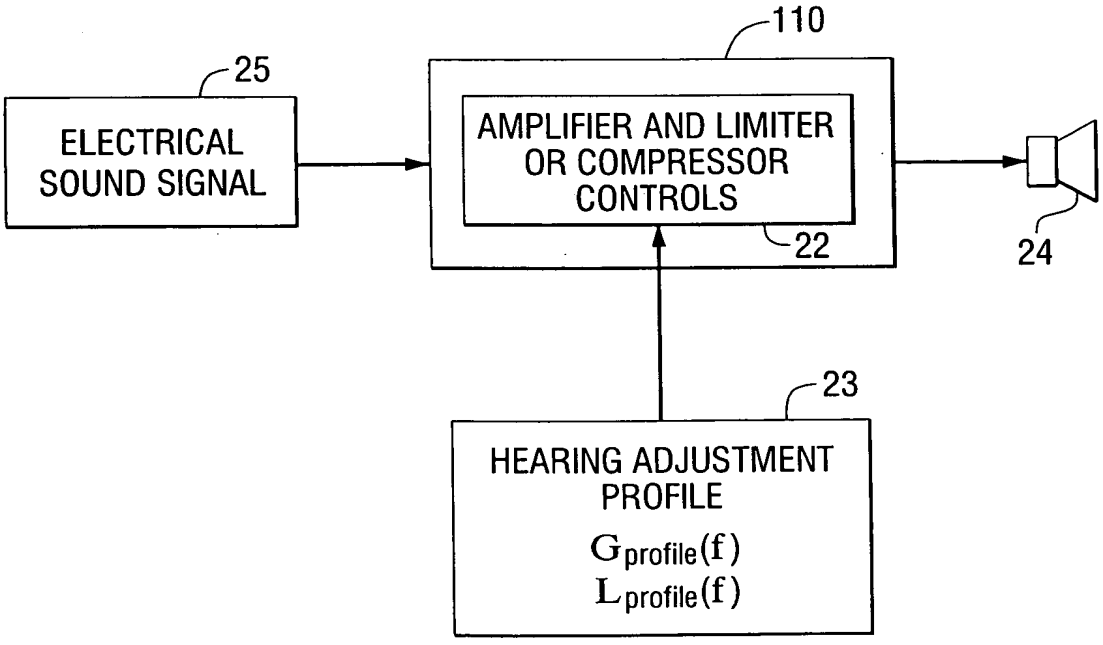
110
25
ELECTRICAL SOUND SIGNAL
AMPLIFIER AND LIMITER OR COMPRESSOR CONTROLS
22
24
23
HEARING ADJUSTMENT PROFILE
$G_{profile}(f)$
$L_{profile}(f)$

FIG. 6